Job	Truss	Truss Type	Qty	Ply	JOHN & JULIE TOMLIN
B003-13	C1#3500	FINK	1	2	R35977839 Job Reference (optional)

Pacific Continental Truss, Watsonville, Ca 95076

7.250 s Aug 25 2011 MiTek Industries, Inc. Mon Feb 25 13:55:01 2013 Page 1
ID:cUsV5Ks2NUc?PMvDmzUc9myAJR7-hVAOrHmJcgEHCe8JDOBqlT6smEHXcJgzgmrYXbzhYZ8

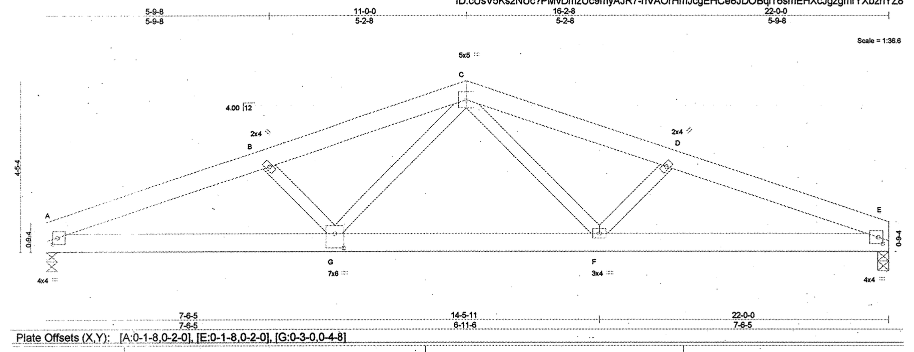


Plate Offsets (X,Y): [A:0-1-8,0-2-0], [E:0-1-8,0-2-0], [G:0-3-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.14	Vert(LL)	-0.03	F	>999	360	MT20	220/195
TCDL	22.0	Lumber Increase	1.25	BC	0.25	Vert(TL)	-0.10	F-G	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.13	Horz(TL)	0.03	E	n/a	n/a		
BCDL	10.0	Code IBC2009/TPI2007		(Matrix)		Wind(LL)	0.02	G	>999	240	Weight: 239 lb	FT = 0%

LUMBER
TOP CHORD 2 X 6 DF No.2 G
BOT CHORD 2 X 6 DF No.2 G
WEBS 2 X 4 DF Std G

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) A=1129/0-3-8 (min. 0-1-8), E=1129/0-3-8 (min. 0-1-8)
Max Horz A=-47(LC 13)
Max UpliftA=-816(LC 15), E=-816(LC 18)
Max GravA=1785(LC 10), E=1785(LC 9)
QUALIFIED BUILDING DESIGNER OR PROJECT ENGINEER SHALL REVIEW THE INPUT LENGTH AND PLACEMENT OF CONNECTION TO TRANSFER LATERAL FORCES TO THE SUPPORTING STRUCTURE AS STATED IN THE DRAG LOAD NOTE BELOW.

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-4177/2083, B-C=-2975/1141, C-D=-2975/1142, D-E=-4177/2084
BOT CHORD A-G=-1952/3692, F-G=-713/2143, E-F=-1907/3692
WEBS B-G=-436/214, C-G=-162/660, C-F=-163/660, D-F=-436/214

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-05; 85mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a total drag load of 3500 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 22-0-0 for 159.1 plf.

LOAD CASE(S) Standard

REGISTERED PROFESSIONAL ENGINEER PALMER S. TINGEY C 046433 EXP. 3-31-13 CIVIL STATE OF CALIFORNIA

February 25,2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 781 N. Lee Street, Suite 312, Alexandria, VA 22314.
If Southern Pine (SP or SPp) lumber is specified, the design values are those effective 06/01/2012 by ALSC or proposed by SPIB.
MiTek 7777 Greenback Lane, Suite 109 Citrus Heights, CA, 95610

Job	Truss	Truss Type	Qty	Ply	JOHN & JULIE TOMLIN
B003-13	C3GE	GABLE	1	1	R35977842 Job Reference (optional)

Pacific Continental Truss, Watsonville, Ca 95076

7.250 s Aug 25 2011 MiTek Industries, Inc. Mon Feb 25 13:55:04 2013 Page 1
ID:cUsV5Ks2NUc?PMvDmzUc9myAJR7-64sXTJoCvbcs36suuWkXN5kMySF7pehPNk3D8wzhYZ5

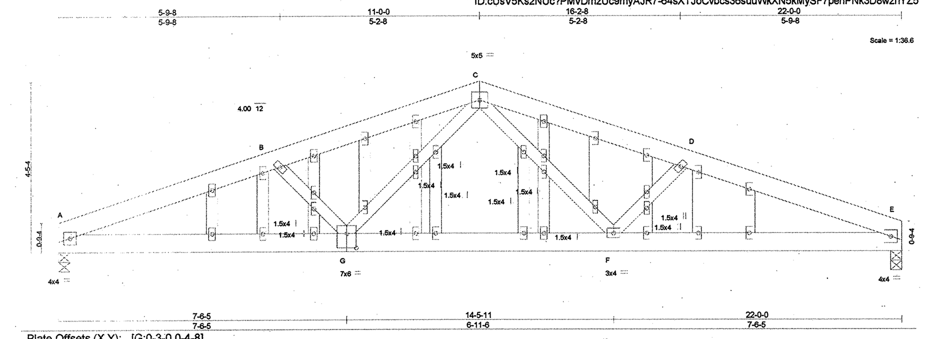


Plate Offsets (X,Y): [G:0-3-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.05	F-G	>999	360	MT20	220/195
TCDL	22.0	Lumber Increase	1.25	BC	0.39	Vert(TL)	-0.21	F-G	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(TL)	0.06	E	n/a	n/a		
BCDL	10.0	Code IBC2009/TPI2007		(Matrix)		Wind(LL)	0.04	G	>999	240	Weight: 152 lb	FT = 0%

LUMBER
TOP CHORD 2 X 6 DF No.2 G
BOT CHORD 2 X 6 DF No.2 G
WEBS 2 X 4 DF Std G
OTHERS 2 X 4 DF Std G

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-9-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) A=1129/0-3-8 (min. 0-1-8), E=1129/0-3-8 (min. 0-1-8)
Max Horz A=47(LC 3)
Max UpliftA=-160(LC 5), E=-160(LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-2417/347, B-C=-2125/312, C-D=-2125/312, D-E=-2417/348
BOT CHORD A-G=-317/2175, F-G=-161/1591, E-F=-273/2175
WEBS B-G=-373/151, C-G=-86/583, C-F=-86/583, D-F=-373/151

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 85mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 1-4-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) A plate rating reduction of 20% has been applied for the green lumber members.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

REGISTERED PROFESSIONAL ENGINEER PALMER S. TINGEY C 046433 EXP. 3-31-13 CIVIL STATE OF CALIFORNIA

February 25,2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 781 N. Lee Street, Suite 312, Alexandria, VA 22314.
If Southern Pine (SP or SPp) lumber is specified, the design values are those effective 06/01/2012 by ALSC or proposed by SPIB.
MiTek 7777 Greenback Lane, Suite 109 Citrus Heights, CA, 95610

Job	Truss	Truss Type	Qty	Ply	JOHN & JULIE TOMLIN
B003-13	D3#3500	FINK	1	1	R35977845 Job Reference (optional)

Pacific Continental Truss, Watsonville, Ca 95076

7.250 s Aug 25 2011 MiTek Industries, Inc. Mon Feb 25 13:55:08 2013 Page 1
ID:cUsV5Ks2NUc?PMvDmzUc9myAJR7-_r51Jgrizq7lXjAf7MpTXxu?03aalQ2?HL1QHhzhYZ1

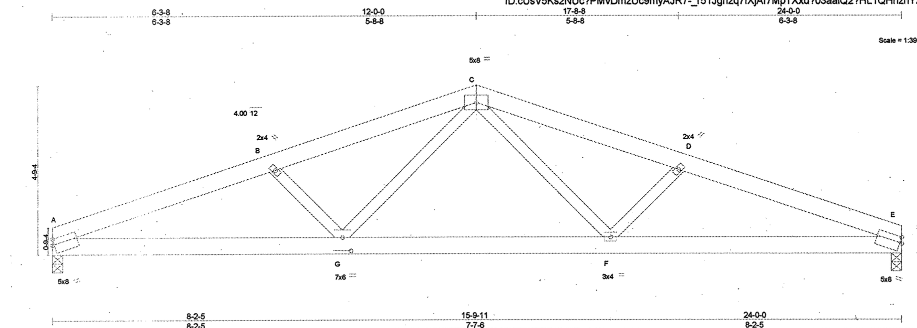


Plate Offsets (X,Y): [A:Edge,0-2-0], [E:Edge,0-2-0], [G:0-3-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.33	Vert(LL)	-0.07	G	>999	360	MT20	220/195
TCDL	22.0	Lumber Increase	1.25	BC	0.61	Vert(TL)	-0.25	F-G	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.28	Horz(TL)	0.08	E	n/a	n/a		
BCDL	10.0	Code IBC2009/TPI2007		(Matrix)		Wind(LL)	0.06	G	>999	240	Weight: 131 lb	FT = 0%

LUMBER
TOP CHORD 2 X 6 DF No.2 G
BOT CHORD 2 X 6 DF No.2 G
WEBS 2 X 4 DF Std G

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-5-6 oc purlins.
BOT CHORD Rigid ceiling directly applied or 5-6-15 oc bracing.

REACTIONS (lb/size) A=1233/0-3-8 (min. 0-2-0), E=1233/0-3-8 (min. 0-2-0)
Max Horz A=-51(LC 14)
Max UpliftA=-825(LC 15), E=-825(LC 18)
Max GravA=1883(LC 10), E=1883(LC 9)
QUALIFIED BUILDING DESIGNER OR PROJECT ENGINEER SHALL REVIEW THE INPUT LENGTH AND PLACEMENT OF CONNECTION TO TRANSFER LATERAL FORCES TO THE SUPPORTING STRUCTURE AS STATED IN THE DRAG LOAD NOTE BELOW.

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-4446/2126, B-C=-3208/1178, C-D=-3208/1178, D-E=-4446/2126
BOT CHORD A-G=-1997/3945, F-G=-733/2305, E-F=-1949/3945
WEBS B-G=-481/225, C-G=-165/725, C-F=-166/725, D-F=-481/226

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 85mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
7) This truss has been designed for a total drag load of 3500 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 24-0-0 for 145.8 plf.

LOAD CASE(S) Standard

REGISTERED PROFESSIONAL ENGINEER PALMER S. TINGEY C 046433 EXP. 3-31-13 CIVIL STATE OF CALIFORNIA

February 25,2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 781 N. Lee Street, Suite 312, Alexandria, VA 22314.
If Southern Pine (SP or SPp) lumber is specified, the design values are those effective 06/01/2012 by ALSC or proposed by SPIB.
MiTek 7777 Greenback Lane, Suite 109 Citrus Heights, CA, 95610

Job	Truss	Truss Type	Qty	Ply	JOHN & JULIE TOMLIN
B003-13	T12GE	GABLE	2	1	R35977847 Job Reference (optional)

Pacific Continental Truss, Watsonville, Ca 95076

7.250 s Aug 25 2011 MiTek Industries, Inc. Mon Feb 25 13:55:12 2013 Page 1
ID:cUsV5Ks2NUc?PMvDmzUc9myAJR7-tcLY92uD03dj0KUQMCtPin3ejg1ChF5aCz?ePSzhYYz

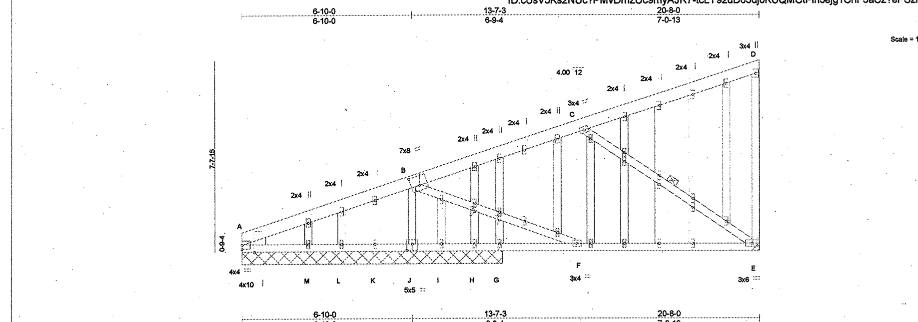


Plate Offsets (X,Y): [A:0-0-0,0-1-14], [A:0-3-5,Edge], [B:0-4-0,0-4-8], [J:0-2-8,0-3-0], [N:0-2-0,0-0-12], [AK:0-2-0,0-0-12]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.54	Vert(LL)	-0.05	E-F	>999	360	MT20	220/195
TCDL	22.0	Lumber Increase	1.25	BC	0.25	Vert(TL)	-0.15	E-F	>817	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.21	Horz(TL)	0.01	E	n/a	n/a		
BCDL	10.0	Code IBC2009/TPI2007		(Matrix)		Wind(LL)	0.02	E-F	>999	240	Weight: 180 lb	FT = 0%

LUMBER
TOP CHORD 2 X 6 DF No.2 G
BOT CHORD 2 X 4 DF No.1&Btr G
WEBS 2 X 4 DF Std G
OTHERS 2 X 4 DF Std G
WEDGE
Left: 2 X 4 DF Std

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt C-E

REACTIONS All bearings 10-5-8 except (jt=length) E=Mechanical.
(lb) - Max Horz A=292(LC 4)
Max Uplift All uplift 100 lb or less at joint(s) A, G, M, L, H except E=-142(LC 5), J=-240(LC 5)
Max Grav All reactions 250 lb or less at joint(s) A, G, M, L, K, I, H except E=682(LC 1), J=954(LC 1)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD B-C=-657/106
BOT CHORD E-F=-111/538
WEBS B-J=-934/252, B-F=-49/495, C-E=-633/169

NOTES
1) Wind: ASCE 7-05; 85mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
3) All plates are 1.5x4 MT20 unless otherwise indicated.
4) Gable studs spaced at 1-4-0 oc.
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) Refer to girder(s) for truss to truss connections.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

REGISTERED PROFESSIONAL ENGINEER PALMER S. TINGEY C 046433 EXP. 3-31-13 CIVIL STATE OF CALIFORNIA

February 25,2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 781 N. Lee Street, Suite 312, Alexandria, VA 22314.
If Southern Pine (SP or SPp) lumber is specified, the design values are those effective 06/01/2012 by ALSC or proposed by SPIB.
MiTek 7777 Greenback Lane, Suite 109 Citrus Heights, CA, 95610

Job	Truss	Truss Type	Qty	Ply	JOHN & JULIE TOMLIN
B003-13	Z1	CAMBER	19	1	R35999297 Job Reference (optional)

Pacific Continental Truss, Watsonville, Ca 95076

7.250 s Aug 25 2011 MiTek Industries, Inc. Thu Feb 28 14:27:25 2013 Page 1
ID:cUsV5Ks2NUc?PMvDmzUc9myAJR7-UJWbFU7nqAd?vt05LIH3iSvTvzH14PI4fcq8DlzgYom

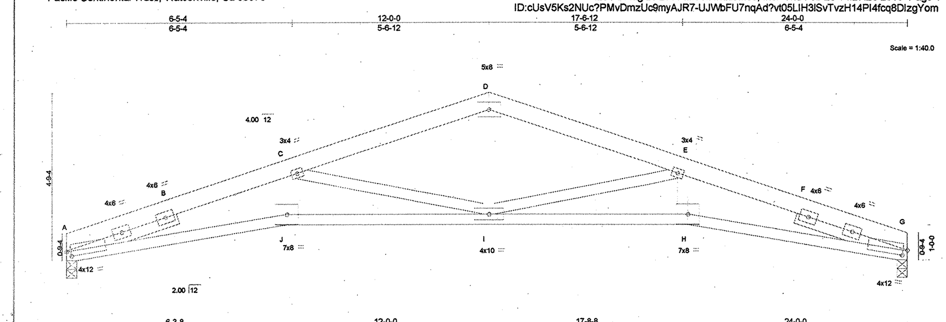


Plate Offsets (X,Y): [A:0-1-9,0-1-12], [G:0-1-8,0-2-1]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.37	Vert(LL)	-0.16	H-I	>999	360	MT20	220/195
TCDL	22.0	Lumber Increase	1.25	BC	0.57	Vert(TL)	-0.68	H-I	>419	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.72	Horz(TL)	0.39	G	n/a	n/a		
BCDL	10.0	Code IBC2009/TPI2007		(Matrix)		Wind(LL)	0.13	I-J	>999	240	Weight: 121 lb	FT = 0%

LUMBER
TOP CHORD 2 X 6 DF No.2 G
BOT CHORD 2 X 4 DF No.1&Btr G
WEBS 2 X 4 DF Std G
SLIDER Left 2 X 4 DF Std -G 3-3-14, Right 2 X 4 DF Std -G 3-3-14

BRACING
TOP CHORD Structural wood sheathing directly applied or 3-8-11 oc purlins.
BOT CHORD Rigid ceiling directly applied or 9-4-8 oc bracing.

REACTIONS (lb/size) A=1243/0-3-8 (min. 0-1-8), G=1243/0-3-8 (min. 0-1-8)
Max Horz A=52(LC 3)
Max UpliftA=-176(LC 5), G=-176(LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-4052/539, B-C=-3877/557, C-D=-2517/327, D-E=-2517/336, E-F=-3876/525, F-G=-4052/507
BOT CHORD A-J=-512/3713, I-J=-498/3593, H-I=-421/3593, G-H=-432/3713
WEBS C-J=-35/691, E-H=-23/691, D-I=-70/835, C-I=-1285/286, E-I=-1285/274

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 85mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) Bearing at joint(s) A, G considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
7) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

REGISTERED PROFESSIONAL ENGINEER PALMER S. TINGEY C 046433 EXP. 3-31-13 CIVIL STATE OF CALIFORNIA

February 28,2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 781 N. Lee Street, Suite 312, Alexandria, VA 22314.
MiTek 7777 Greenback Lane, Suite 109 Citrus Heights, CA, 95610
If Southern Pine (SP) lumber is specified, the design values are those effective 06/01/2013 by ALSC

Job	Truss	Truss Type	Qty	Ply	JOHN & JULIE TOMLIN
B003-13	C1	FINK	1	2	R35977840 Job Reference (optional)

Pacific Continental Truss, Watsonville, Ca 95076

7.250 s Aug 25 2011 MiTek Industries, Inc. Mon Feb 25 13:55:02 2013 Page 1
ID:cUsV5Ks2NUc?PMvDmzUc9myAJR7-9hkm3dmyN_M8pojVn5i3lge2yedOLm06vQa631zhYZ7

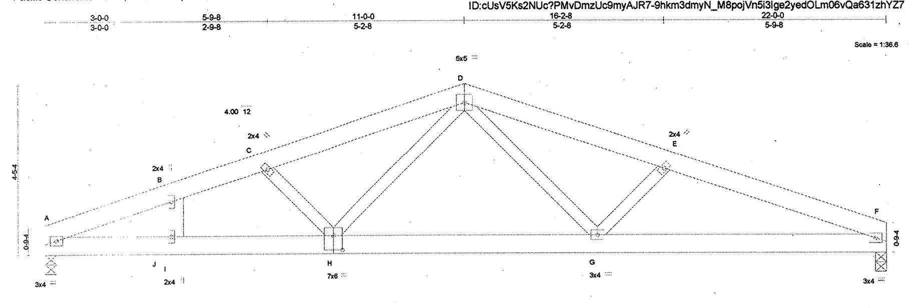


Plate Offsets (X,Y): [H:0-3-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.11	Vert(LL)	-0.02	G-H	>999	360	MT20	220/195
TCDL	22.0	Lumber Increase	1.25	BC	0.21	Vert(TL)	-0.10	G-H	>999	240		
BCLL	0.0 *	Rep Stress Incr	NO	WB	0.12	Horz(TL)	0.03	F	n/a	n/a		
BCDL	10.0	Code IBC2009/TPI2007		(Matrix)		Wind(LL)	0.02	H	>999	240	Weight: 245 lb	FT = 0%

LUMBER
TOP CHORD 2 X 6 DF No.2 G
BOT CHORD 2 X 6 DF No.2 G
WEBS 2 X 4 DF Std G *Except*
B-I: 2 X 8 DF No.2 G

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) A=1129/0-3-8 (min. 0-1-8), F=1129/0-3-8 (min. 0-1-8)
Max Horz A=-47(LC 4)
Max UpliftA=-160(LC 5), F=-160(LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-2396/321, B-C=-2271/342, C-D=-2086/309, D-E=-2128/312, E-F=-2417/347
BOT CHORD A-J=-305/2140, I-J=-305/2140, H-I=-305/2140, G-H=-163/1593, F-G=-272/2175
WEBS C-H=-370/135, D-H=-80/538, D-G=-83/587, E-G=-367/150

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc, 2 X 8 - 2 rows at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-05; 85mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) at 3-0-0 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard
1) Regular: Lumber Increase=1.25, Plate Increase=1.25
Uniform Loads (plf)
Vert: A-F=-20, A-D=-84, D-F=-84

REGISTERED PROFESSIONAL ENGINEER PALMER S. TINGEY C 046433 EXP. 3-31-13 CIVIL STATE OF CALIFORNIA

February 25,2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 781 N. Lee Street, Suite 312, Alexandria, VA 22314.
If Southern Pine (SP or SPp) lumber is specified, the design values are those effective 06/01/2012 by ALSC or proposed by SPIB.
MiTek 7777 Greenback Lane, Suite 109 Citrus Heights, CA, 95610

Job	Truss	Truss Type	Qty	Ply	JOHN & JULIE TOMLIN
B003-13	D1GE	FINK	1	1	R35977843 Job Reference (optional)

Pacific Continental Truss, Watsonville, Ca 95076

7.250 s Aug 25 2011 MiTek Industries, Inc. Mon Feb 25 13:55:05 2013 Page 1
ID:cUsV5Ks2NUc?PMvDmzUc9myAJR7-aGQvhfpqgvkjgFR4SDFmwJGX1sbZY4TZbOpmgMzhYZ4

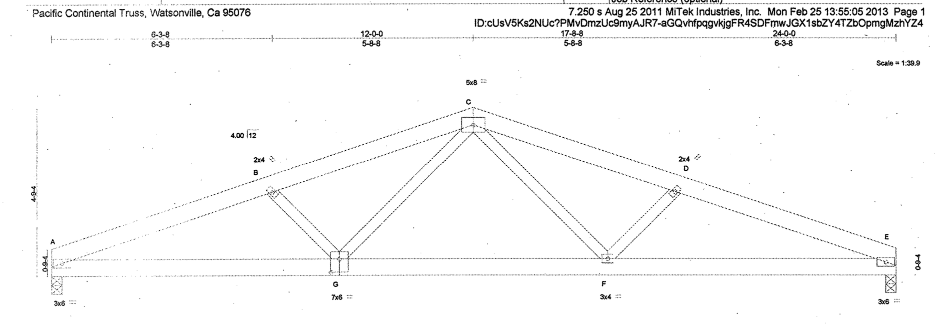


Plate Offsets (X,Y): [G:0-3-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.25	Vert(LL)	-0.06	F-G	>999	360	MT20	220/195
TCDL	22.0	Lumber Increase	1.25	BC	0.44	Vert(TL)	-0.25	F-G	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.27	Horz(TL)	0.08	E	n/a	n/a		
BCDL	10.0	Code IBC2009/TPI2007		(Matrix)		Wind(LL)	0.05	G	>999	240	Weight: 131 lb	FT = 0%

LUMBER
TOP CHORD 2 X 6 DF No.2 G
BOT CHORD 2 X 6 DF No.2 G
WEBS 2 X 4 DF Std G

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-5-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) A=1233/0-3-8 (min. 0-1-8), E=1233/0-3-8 (min. 0-1-8)
Max Horz A=51(LC 3)
Max UpliftA=-175(LC 5), E=-175(LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-2678/385, B-C=-2352/344, C-D=-2352/345, D-E=-2678/385
BOT CHORD A-G=-353/2418, F-G=-177/1750, E-F=-305/2418
WEBS B-G=-423/168, C-G=-96/656, C-F=-96/656, D-F=-423/168

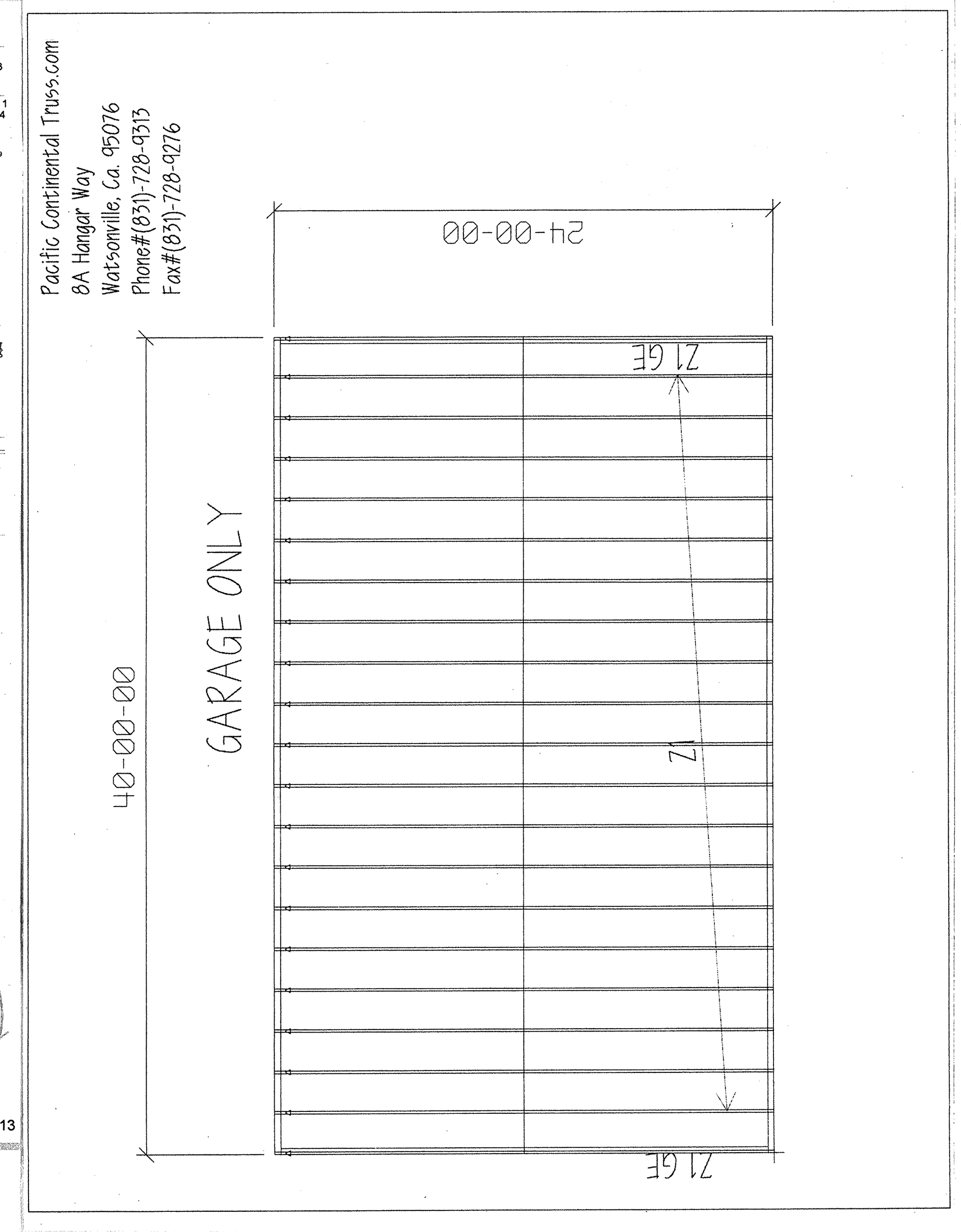
NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 85mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

REGISTERED PROFESSIONAL ENGINEER PALMER S. TINGEY C 046433 EXP. 3-31-13 CIVIL STATE OF CALIFORNIA

February 25,2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 781 N. Lee Street, Suite 312, Alexandria, VA 22314.
If Southern Pine (SP or SPp) lumber is specified, the design values are those effective 06/01/2012 by ALSC or proposed by SPIB.
MiTek 7777 Greenback Lane, Suite 109 Citrus Heights, CA, 95610



Job	Truss	Truss Type	Qty	Ply	JOHN & JULIE TOMLIN
B003-13	T13	MONO TRUSS	4	1	R35977848 Job Reference (optional)

Pacific Continental Truss, Watsonville, Ca 95076

7.250 s Aug 25 2011 MiTek Industries, Inc. Mon Feb 25 13:55:13 2013 Page 1
ID:cUsV5Ks2NUc?PMvDmzUc9myAJR7-LpvwMOvrnMlaeU2cwvPeE?cq24KEQZkkRdlBxuzhYYy

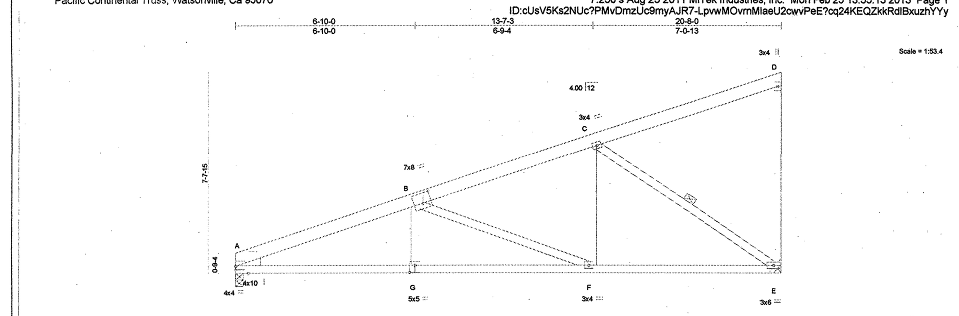


Plate Offsets (X,Y): [A:0-0-2,0-1-10], [A:0-3-5,Edge], [B:0-4-0,0-4-8], [G:0-2-8,0-3-4]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.50	Vert(LL)	-0.05	E-F	>999	360	MT20	220/195
TCDL	22.0	Lumber Increase	1.25	BC	0.39	Vert(TL)	-0.22	A-G	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.82	Horz(TL)	0.07	E	n/a	n/a		
BCDL	10.0	Code IBC2009/TPI2007		(Matrix)		Wind(LL)	0.04	A-G	>999	240	Weight: 117 lb	FT = 0%

LUMBER
TOP CHORD 2 X 6 DF No.2 G
BOT CHORD 2 X 4 DF No.1&Btr G
WEBS 2 X 4 DF Std G
WEDGE
Left: 2 X 4 DF Std

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-10-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt C-E

REACTIONS (lb/size) A=1059/0-3-8 (min. 0-1-8), E=1059/Mechanical
Max Horz A=292(LC 4)
Max UpliftA=-160(LC 3), E=-206(LC 5)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-2143/318, B-C=-1223/199
BOT CHORD A-G=-366/1928, F-G=-366/1928, E-F=-166/1079
WEBS B-G=0/275, C-F=-35/559, B-F=-912/214, C-E=-1297/279

NOTES
1) Wind: ASCE 7-05; 85mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

REGISTERED PROFESSIONAL ENGINEER PALMER S. TINGEY C 046433 EXP. 3-31-13 CIVIL STATE OF CALIFORNIA

February 25,2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 781 N. Lee Street, Suite 312, Alexandria, VA 22314.
If Southern Pine (SP or SPp) lumber is specified, the design values are those effective 06/01/2012 by ALSC or proposed by SPIB.
MiTek 7777 Greenback Lane, Suite 109 Citrus Heights, CA, 95610

Job	Truss	Truss Type	Qty	Ply	JOHN & JULIE TOMLIN
B003-13	Z1GE	GABLE	2	1	R35977851 Job Reference (optional)

Pacific Continental Truss, Watsonville, Ca 95076

7.250 s Aug 25 2011 MiTek Industries, Inc. Mon Feb 25 13:55:18 2013 Page 1
ID:cUsV5Ks2NUc?PMvDmzUc9myAJR7-hmipP5z_cvNtkFxajS_px2Jll51c5yhTbvSyc6zhYYt

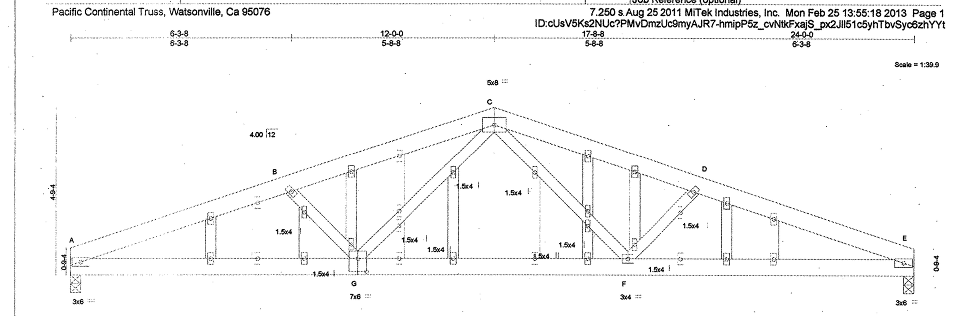


Plate Offsets (X,Y): [G:0-3-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.25	Vert(LL)	-0.06	F-G	>999	360	MT20	220/195
TCDL	22.0	Lumber Increase	1.25	BC	0.44	Vert(TL)	-0.25	F-G	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.27	Horz(TL)	0.08	E	n/a	n/a		
BCDL	10.0	Code IBC2009/TPI2007		(Matrix)		Wind(LL)	0.05	G	>999	240	Weight: 164 lb	FT = 0%

LUMBER
TOP CHORD 2 X 6 DF No.2 G
BOT CHORD 2 X 6 DF No.2 G
WEBS 2 X 4 DF Std G
OTHERS 2 X 4 DF Std G

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-5-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) A=1233/0-3-8 (min. 0-1-8), E=1233/0-3-8 (min. 0-1-8)
Max Horz A=51(LC 3)
Max UpliftA=-175(LC 5), E=-175(LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-2678/385, B-C=-2352/344, C-D=-2352/345, D-E=-2678/385
BOT CHORD A-G=-353/2418, F-G=-177/1750, E-F=-305/2418
WEBS B-G=-423/168, C-G=-96/656, C-F=-96/656, D-F=-423/168

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 85mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1-2002.
4) All plates are 2x4 MT20 unless otherwise indicated.
5) Gable studs spaced at 1-4-0 oc.
6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
7) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
8) A plate rating reduction of 20% has been applied for the green lumber members.
9) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

REGISTERED PROFESSIONAL ENGINEER PALMER S. TINGEY C 046433 EXP. 3-31-13 CIVIL STATE OF CALIFORNIA

February 25,2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 781 N. Lee Street, Suite 312, Alexandria, VA 22314.
If Southern Pine (SP or SPp) lumber is specified, the design values are those effective 06/01/2012 by ALSC or proposed by SPIB.
MiTek 7777 Greenback Lane, Suite 109 Citrus Heights, CA, 95610

Job	Truss	Truss Type	Qty	Ply	JOHN & JULIE TOMLIN
B003-13	C2	FINK	2	1	R35977841 Job Reference (optional)

Pacific Continental Truss, Watsonville, Ca 95076

7.250 s Aug 25 2011 MiTek Industries, Inc. Mon Feb 25 13:55:03 2013 Page 1
ID:cUsV5Ks2NUc?PMvDmzUc9myAJR7-dtl8Gzna8IU?RyHhKpDiruBBC2wu4BRG84KfbTzhYZ6

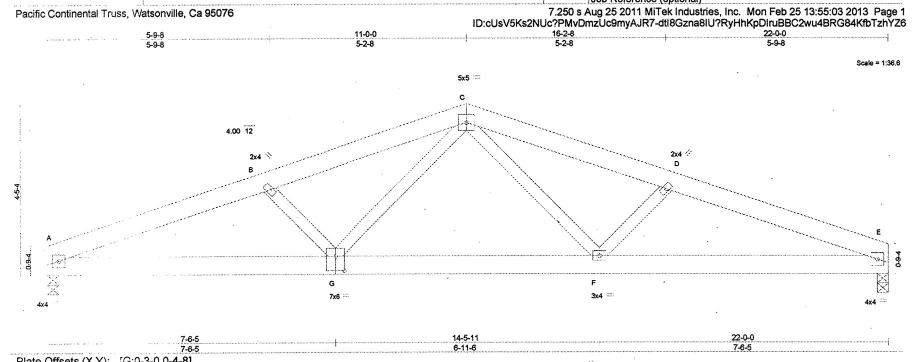


Plate Offsets (X,Y): [G:0-3-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.21	Vert(LL)	-0.05	F-G	>999	360	MT20	220/195
TCDL	22.0	Lumber Increase	1.25	BC	0.39	Vert(TL)	-0.21	F-G	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(TL)	0.06	E	n/a	n/a		
BCDL	10.0	Code IBC2009/TPI2007		(Matrix)		Wind(LL)	0.04	G	>999	240	Weight: 120 lb	FT = 0%

LUMBER
TOP CHORD 2 X 6 DF No.2 G
BOT CHORD 2 X 6 DF No.2 G
WEBS 2 X 4 DF Std G

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-9-9 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) A=1129/0-3-8 (min. 0-1-8), E=1129/0-3-8 (min. 0-1-8)
Max Horz A=47(LC 3)
Max UpliftA=-160(LC 5), E=-160(LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-2417/347, B-C=-2125/312, C-D=-2125/312, D-E=-2417/348
BOT CHORD A-G=-317/2175, F-G=-161/1591, E-F=-273/2175
WEBS B-G=-373/151, C-G=-86/583, C-F=-86/583, D-F=-373/151

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 85mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

REGISTERED PROFESSIONAL ENGINEER PALMER S. TINGEY C 046433 EXP. 3-31-13 CIVIL STATE OF CALIFORNIA

February 25,2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 781 N. Lee Street, Suite 312, Alexandria, VA 22314.
If Southern Pine (SP or SPp) lumber is specified, the design values are those effective 06/01/2012 by ALSC or proposed by SPIB.
MiTek 7777 Greenback Lane, Suite 109 Citrus Heights, CA, 95610

Job	Truss	Truss Type	Qty	Ply	JOHN & JULIE TOMLIN
B003-13	D2	FINK	29	1	R35977844 Job Reference (optional)

Pacific Continental Truss, Watsonville, Ca 95076

7.250 s Aug 25 2011 MiTek Industries, Inc. Mon Feb 25 13:55:06 2013 Page 1
ID:cUsV5Ks2NUc?PMvDmzUc9myAJR7-2S_Hu_pSRDsalP0G0xn?SWpinFxoHXiiq1YJCozhYZ3

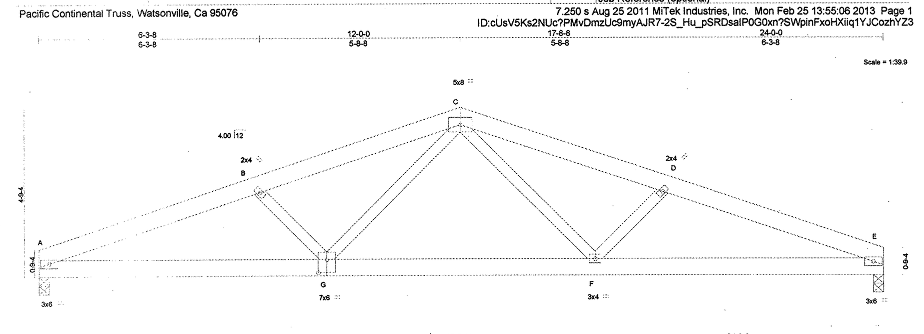


Plate Offsets (X,Y): [G:0-3-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.25	Vert(LL)	-0.06	F-G	>999	360	MT20	220/195
TCDL	22.0	Lumber Increase	1.25	BC	0.44	Vert(TL)	-0.25	F-G	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.27	Horz(TL)	0.08	E	n/a	n/a		
BCDL	10.0	Code IBC2009/TPI2007		(Matrix)		Wind(LL)	0.05	G	>999	240	Weight: 131 lb	FT = 0%

LUMBER
TOP CHORD 2 X 6 DF No.2 G
BOT CHORD 2 X 6 DF No.2 G
WEBS 2 X 4 DF Std G

BRACING
TOP CHORD Structural wood sheathing directly applied or 4-5-13 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) A=1233/0-3-8 (min. 0-1-8), E=1233/0-3-8 (min. 0-1-8)
Max Horz A=51(LC 3)
Max UpliftA=-175(LC 5), E=-175(LC 6)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-2678/385, B-C=-2352/344, C-D=-2352/345, D-E=-2678/385
BOT CHORD A-G=-353/2418, F-G=-177/1750, E-F=-305/2418
WEBS B-G=-423/168, C-G=-96/656, C-F=-96/656, D-F=-423/168

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 85mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) A plate rating reduction of 20% has been applied for the green lumber members.
6) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

REGISTERED PROFESSIONAL ENGINEER PALMER S. TINGEY C 046433 EXP. 3-31-13 CIVIL STATE OF CALIFORNIA

February 25,2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 781 N. Lee Street, Suite 312, Alexandria, VA 22314.
If Southern Pine (SP or SPp) lumber is specified, the design values are those effective 06/01/2012 by ALSC or proposed by SPIB.
MiTek 7777 Greenback Lane, Suite 109 Citrus Heights, CA, 95610

Job	Truss	Truss Type	Qty	Ply	JOHN & JULIE TOMLIN
B003-13	D4#3500	FINK	1	2	R35977846 Job Reference (optional)

Pacific Continental Truss, Watsonville, Ca 95076

7.250 s Aug 25 2011 MiTek Industries, Inc. Mon Feb 25 13:55:09 2013 Page 1
ID:cUsV5Ks2NUc?PMvDmzUc9myAJR7-S1fQX0sLj8F99tlm3Ki49RDeT?0UvS8W?n_p7zhYZ0

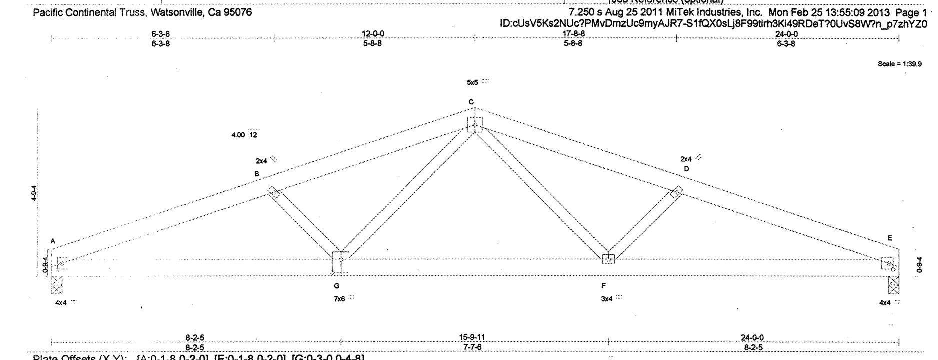


Plate Offsets (X,Y): [A:0-1-8,0-2-0], [E:0-1-8,0-2-0], [G:0-3-0,0-4-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.15	Vert(LL)	-0.03	G	>999	360	MT20	220/195
TCDL	22.0	Lumber Increase	1.25	BC	0.28	Vert(TL)	-0.13	F-G	>999	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.14	Horz(TL)	0.04	E	n/a	n/a		
BCDL	10.0	Code IBC2009/TPI2007		(Matrix)		Wind(LL)	0.03	G	>999	240	Weight: 261 lb	FT = 0%

LUMBER
TOP CHORD 2 X 6 DF No.2 G
BOT CHORD 2 X 6 DF No.2 G
WEBS 2 X 4 DF Std G

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) A=1233/0-3-8 (min. 0-1-8), E=1233/0-3-8 (min. 0-1-8)
Max Horz A=51(LC 11)
Max UpliftA=-825(LC 15), E=-825(LC 18)
Max GravA=1883(LC 10), E=1883(LC 9)
QUALIFIED BUILDING DESIGNER OR PROJECT ENGINEER SHALL REVIEW THE INPUT LENGTH AND PLACEMENT OF CONNECTION TO TRANSFER LATERAL FORCES TO THE SUPPORTING STRUCTURE AS STATED IN THE DRAG LOAD NOTE BELOW.

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-4446/2126, B-C=-3208/1178, C-D=-3208/1178, D-E=-4446/2126
BOT CHORD A-G=-1997/3945, F-G=-733/2305, E-F=-1949/3945
WEBS B-G=-481/225, C-G=-165/725, C-F=-166/725, D-F=-481/226

NOTES
1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
Bottom chords connected as follows: 2 X 6 - 2 rows at 0-9-0 oc.
Webs connected as follows: 2 X 4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-05; 85mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) A plate rating reduction of 20% has been applied for the green lumber members.
8) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.
9) This truss has been designed for a total drag load of 3500 lb. Lumber DOL=(1.33) Plate grip DOL=(1.33) Connect truss to resist drag loads along bottom chord from 0-0-0 to 24-0-0 for 145.8 plf.

LOAD CASE(S) Standard

REGISTERED PROFESSIONAL ENGINEER PALMER S. TINGEY C 046433 EXP. 3-31-13 CIVIL STATE OF CALIFORNIA

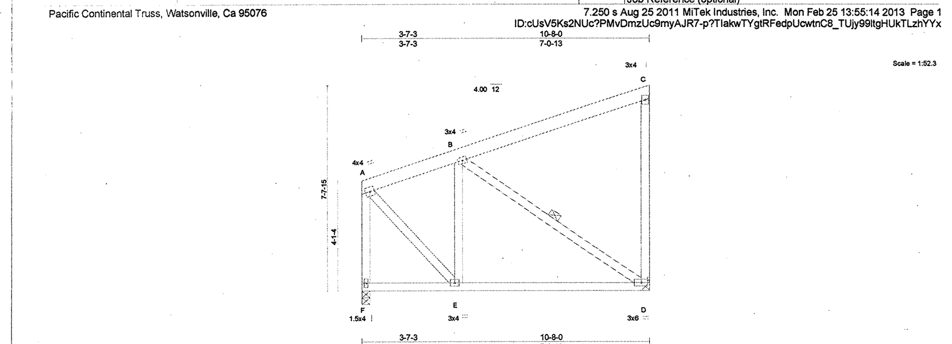
February 25,2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 781 N. Lee Street, Suite 312, Alexandria, VA 22314.
If Southern Pine (SP or SPp) lumber is specified, the design values are those effective 06/01/2012 by ALSC or proposed by SPIB.
MiTek 7777 Greenback Lane, Suite 109 Citrus Heights, CA, 95610

Job	Truss	Truss Type	Qty	Ply	JOHN & JULIE TOMLIN
B003-13	T15	MONO TRUSS	4	1	R35977849 Job Reference (optional)

Pacific Continental Truss, Watsonville, Ca 95076

7.250 s Aug 25 2011 MiTek Industries, Inc. Mon Feb 25 13:55:14 2013 Page 1
ID:cUsV5Ks2NUc?PMvDmzUc9myAJR7-p?TIakwTYgtRFedpUcwtnC8_TUjy99ltgHUkTLzhYYx



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.53	Vert(LL)	-0.05	D-E	>999	360	MT20	220/195
TCDL	22.0	Lumber Increase	1.25	BC	0.23	Vert(TL)	-0.14	D-E	>916	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.20	Horz(TL)	0.00	D	n/a	n/a		
BCDL	10.0	Code IBC2009/TPI2007		(Matrix)		Wind(LL)	0.02	D-E	>999	240	Weight: 77 lb	FT = 0%

LUMBER
TOP CHORD 2 X 6 DF No.2 G
BOT CHORD 2 X 4 DF No.1&Btr G
WEBS 2 X 4 DF Std G

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.
WEBS 1 Row at midpt B-D

REACTIONS (lb/size) F=539/0-3-8 (min. 0-1-8), D=539/Mechanical
Max Horz F=271(LC 4)
Max UpliftF=-85(LC 3), D=-130(LC 4)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD A-B=-357/84, A-F=-521/90
BOT CHORD D-E=-177/333
WEBS B-D=-382/155, A-E=-85/489

NOTES
1) Wind: ASCE 7-05; 85mph; TCDL=6.0psf; BCDL=3.6psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
2) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
3) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
4) A plate rating reduction of 20% has been applied for the green lumber members.
5) Refer to girder(s) for truss to truss connections.
6) This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TPI 1.

LOAD CASE(S) Standard

REGISTERED PROFESSIONAL ENGINEER PALMER S. TINGEY C 046433 EXP. 3-31-13 CIVIL STATE OF CALIFORNIA

February 25,2013

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 BEFORE USE.
Design valid for use only with MiTek connectors. This design is based only upon parameters shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information available from Truss Plate Institute, 781 N. Lee Street, Suite 312, Alexandria, VA 22314.
If Southern Pine (SP or SPp) lumber is specified, the design values are those effective 06/01/2012 by ALSC or proposed by SPIB.
MiTek 7777 Greenback Lane, Suite 109 Citrus Heights, CA, 95610

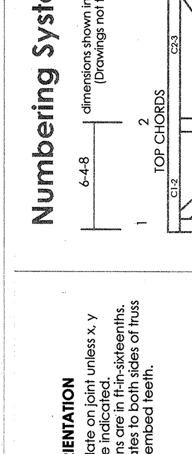
General Safety Notes

Failure to Follow Could Cause Property Damage or Personal Injury

1. Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
2. Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves may require bracing, or alternative T or I bracing should be considered.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Provide copies of this truss design to the building designer, erection supervisor, property owner and all other interested parties.
5. Cut members to bear tightly against each other.
6. Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
7. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
8. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
9. Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
10. Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
11. Plate type, size, orientation and location dimensions indicated are minimum plating requirements.
12. Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
13. Top chords must be sheathed or purlins provided at spacing indicated on design.
14. Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted.
15. Connections not shown are the responsibility of others.
16. Do not cut or alter truss member or plate without prior approval of an engineer.
17. Install and load vertically unless indicated otherwise.
18. Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
19. Review all portions of this design (front, back, words and pictures) before use. Reviewing pictures alone is not sufficient.
20. Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.

Numbering System

6-4-8 dimensions shown in ft-in-sixteenths (Drawings not to scale)



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO THE LEFT.

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

PRODUCT CODE APPROVALS
ICC-ES Reports:
ESR-1311, ESR-1352, ESR1988
ER-3907, ESR-2362, ESR-1397, ESR-3282

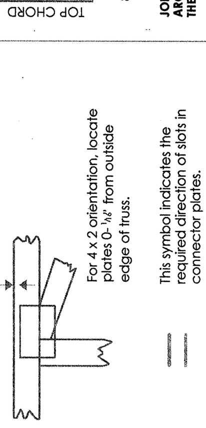
Southern Pine lumber designations are as follows:
SYP represents current/old values as published by AWC in the 2005/2012 NDS
SPp represents SPIB proposed values as provided in SPIB submittal to ALSC dated Sept 15, 2011
SP represents ALSC approved/new values with effective date of June 1, 2012 (2x4 No.2 and lower grades and smaller sizes), and all MSR/MEL grades

© 2012 MiTek® All Rights Reserved

MiTek Engineering Reference Sheet: MII-7473 rev. 09/04/2012

Symbols

PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated. Dimensions are in ft-in-sixteenths. Apply plates to both sides of truss and fully embed teeth.

For 4 x 2 orientation, locate plates 0-1/16" from outside edge of truss.

This symbol indicates the required direction of slots in connector plates.

*** Plate location details available in MiTek 20/20 software or upon request.**

PLATE SIZE

4 x 4 The first dimension is the plate width measured perpendicular to slots. Second dimension is the length parallel to slots.

LATERAL BRACING LOCATION

Indicated by symbol shown and/or by text in the bracing section of the output. Use T or I bracing if indicated.

BEARING

Indicates location where bearings (supports) occur. Icons vary but reaction section indicates joint number where bearings occur. Min size shown is for crushing only.

Industry Standards:
ANSI/TPI1: National Design Specification for Metal Plate Connected Wood Truss Construction.
DSB-89: Design Standard for Bracing.
BCSI: Building Component Safety Information, Guide to Good Practice for Handling, Installing & Bracing of Metal Plate Connected Wood Trusses.

MacKenzie Patterson Architect ©2013
C7065
Box 2497, Carmel, CA 93921
Phone:(831)624-4853, Fax:(831)624-4853

LICENSED ARCHITECT MacKenzie C. Patterson Jr. C7065 Ren: Nov.2013 STATE OF CALIFORNIA

PACIFIC CONTINENTAL TRUSS

JOB #: B003-13

A New Residence for:
Mr. & Mrs. John & Julie Tomlin
19 La Rancheria, Carmel Valley, California 93924
Monterey County A.P.No. 187-131-042-000, gldnbrjt@aol.com, Phone 408-257-9349

T2